



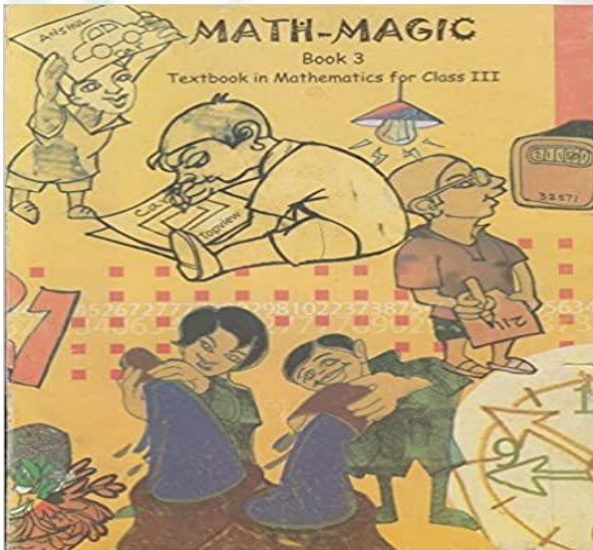
पुर्णा International School

Shree Swaminarayan Gurukul, Zundal

CLASS – III

MATHS MAGIC

STUDY MATERIALS



Chapter-12 - Can we share?

❖ Summary

- Division
 - Make equal groups and write the division facts for the following.
 - Write two division facts for the following multiplications.
 - Division properties
 - Division
 - Word problems
-

3 • 71

❖ **Defination:**

- **Division** - The *division* is a method of distributing a group of things into equal parts.

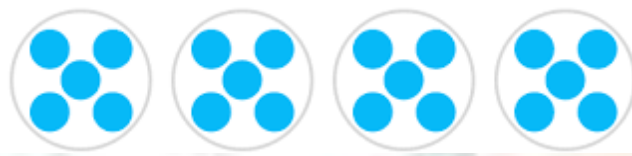
❖ **Make equal groups and write the division facts for the following.**

1. Make equal groups of 3



Solve: $15 \div 3 = 5$

2. Make equal groups of 5



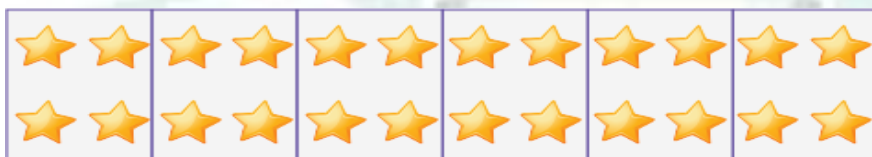
Solve: $20 \div 5 = 4$

3. Make equal groups of 2



Solve: $10 \div 2 = 5$

4. Make equal groups of 4



Solve: $24 \div 4 = 6$

❖ Write two division facts for the following multiplications.

Multiplication	Division Facts
$9 \times 6 = 54$	$54 \div 9 = 6$, $54 \div 6 = 9$
$4 \times 8 = 32$	$32 \div 4 = 8$, $32 \div 8 = 4$
$3 \times 5 = 15$	$15 \div 3 = 5$, $15 \div 5 = 3$
$5 \times 6 = 30$	$30 \div 5 = 6$, $30 \div 6 = 5$
$8 \times 2 = 16$	$16 \div 8 = 2$, $16 \div 2 = 8$

❖ Division properties:

1) Any number divided by 1 gives the number itself as a quotient.

Ex $8 \div 1 = 8$

2) Any no. divided by itself will gives 1 as the quotient.

Ex $5 \div 5 = 1$

3) When 0 divided by any no. the quotient is always 0.

Ex $0 \div 2 = 0$

4) Division is not possible by zero.

❖ Division:

1) $35 \div 5$

$$\begin{array}{r} 07 \\ 5 \overline{) 35} \\ \underline{0} \\ 35 \\ \underline{35} \\ 0 \end{array}$$

Dividend = 35

Divisor = 5

Quotient = 7

Remainder = 0

2) $186 \div 2$

$$\begin{array}{r} 93 \\ 2 \overline{) 186} \\ \underline{18} \\ 06 \\ \underline{06} \\ 0 \end{array}$$

Dividend = 186

Divisor = 2

Quotient = 93

Remainder = 0

1) $231 \div 3$

$$\begin{array}{r} 77 \\ 3 \overline{) 231} \\ \underline{21} \\ 21 \\ \underline{21} \\ 0 \end{array}$$

Dividend = 231

Divisor = 3

Quotient = 77

Remainder = 0

2) $45 \div 6$

$$\begin{array}{r} 7 \\ 6 \overline{) 45} \\ \underline{-42} \\ 3 \end{array}$$

Dividend = 45

Divisor = 6

Quotient = 7

Remainder = 3

3) $78 \div 5$

$$\begin{array}{r} 15 \\ 5 \overline{) 78} \\ \underline{-5} \\ 28 \\ \underline{-25} \\ 3 \end{array}$$

Dividend = 78

Divisor = 5

Quotient = 15

Remainder = 3

4) $54 \div 10$

5) $86 \div 4$

$$6) 75 \div 8$$

❖ **Word problem:**

1) 75 pencils are to be packed in 5 boxes equally. How many pencils will be there in each box?

Solve:

$$\begin{array}{r} 15 \\ 5 \overline{) 75} \\ \underline{-5} \\ 25 \\ \underline{-25} \\ 00 \end{array}$$

15 pencils in each box.

2) There are 72 mangoes placed in 6 trays. How many mangoes are there in each tray?

Solve:

$$\begin{array}{r} 12 \\ 6 \overline{) 72} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 00 \end{array}$$

12 mangoes in each tray.

3) There are 210 beads. 10 necklaces are made using equal no. of beads. How many beads are used in each necklace?

Solve:

$$\begin{array}{r} 21 \\ 10 \overline{) 210} \\ \underline{- 20} \\ 010 \\ \underline{- 010} \\ 000 \end{array}$$

